

Student Labs on Stem Cells with Teacher Notes

- 1) University of Rochester's Life Sciences Learning Center (LSLC) has an excellent easy to use basic stem cell lab complete with student handout and teacher guide.

<https://www.urmc.rochester.edu/life-sciences-learning-center/lessons/lessons/stem-cell-biology.aspx#short>

or you can buy the same lab as a kit from Science Takeout

<http://www.sciencetakeout.com/product/stem-cells/>

University of Rochester, Life Science Learning Center (LSLC), Lab on Stem Cells and Cancer

Go to <https://www.urmc.rochester.edu/life-sciences-learning-center/lessons.aspx> to register for this Lesson (requires only your email address). Registration will allow you access to the above and more.

- 2) Howard Hughes Medical Institute has a series of lab for stem cells with an emphasis on diabetes. Go to <http://www.hhmi.org/biointeractive/classroom-activities-stem-cells-and-diabetes> On the right side of the screen, it will say Download This Item:

Howard Hughes Medical Institute (HHMI) 1. Stem Cells – The Present – PowerPoint

Howard Hughes Medical Institute (HHMI) 2. Stem Cells – The Future – PowerPoint

Pulse-Chase Primer

Are Adult Pancreatic Beta Cells Formed by Self-Duplication or Stem Cell Differentiation? This simulation uses the Pulse-Chase Experiment Mechanism.

HHMI Microarrays and Stem Cells Lab – Student Version

HHMI Diabetes & Microarrays and Stem Cells Lab – Teacher Notes



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